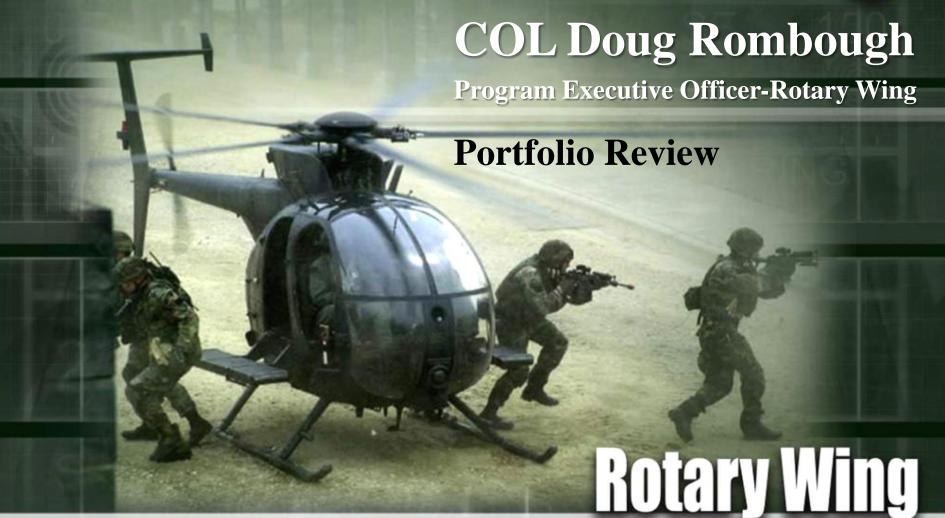
Special Operations Forces Industry Conference





AGENDA

- Mission
- Achievements
- SOF Acquisition Team
- **PEO Support**
- SOF Rotary Wing Programs
- PEO Contact Info
- Way Ahead





MISSION

Provide acquisition oversight management for Rotary Wing Systems in USSOCOM. Support all stakeholders in Rotary Wing Acquisition process to provide cutting edge capabilities to the SOF Community





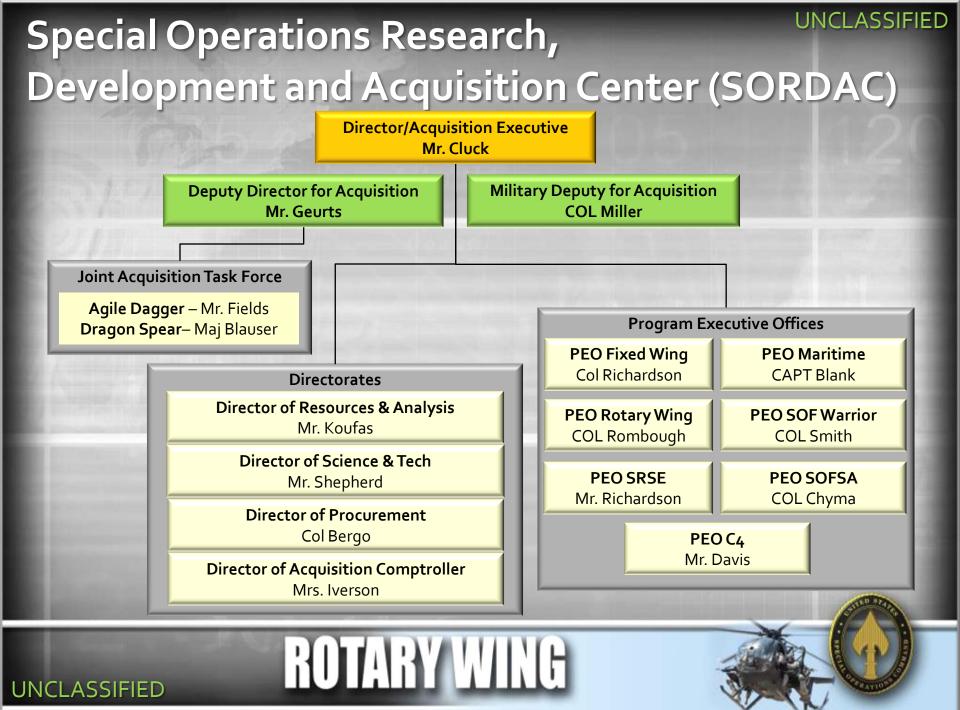
The Year In Review

SOF Acquisition Team deliveries and major events:

- ✓ 12 MH-47G aircraft delivered to the 16oth SOAR
- √ 18 A/MH-6 Block 2.0 Upgrade completed and returned to the 16oth SOAR
- ✓ 20 MH-60 aircraft inducted in the SOFSA production line
- √ 5 MH-6oMs fielded in support of training
- √ 12 SIRFC shipsets delivered to the 16oth SOAR







SOF ACQUISITION TEAM

Equip the Soldiers and Airmen of the 160th SOAR(A) and 6th SOS with the most capable rotary wing aircraft in the world.



Facilitate sustainment of the modified and/or unique aircraft provided to the 160th SOAR(A) and 6th SOS.



PEO RW (USSOCOM)
(Program Oversight)





160th SOAR (A) - SIMO / 6th SOS (Users)

ROTARY WING



PM TAPO / PM NSRWA / PM STS

(Materiel Developer)

PEO Support

- Quality Equipment Fielded as Quickly as Possible
 - Aviation Warfighter is the First Priority
 - Quality is Better than Quantity
- Single Point of Contact within USSOCOM
 - Provide Management Oversight
 - Provide Program & Financial SMEs
- Build/Foster Relationships
 - Within the SOF Community
 - Leverage Army Aviation
 - Liaison to Congress
- Future of SOF Vertical Lift
 - Next Generation Aircraft





Acquisition Principles

- Deliver capability to the user expeditiously
- Exploit proven techniques and methods
- Keep Warfighters involved throughout the process
- Take risk and manage it!

ACCELERATE THE FORCE























CAAS







SOF RW Capabilities

* Configuration
Dependant

A/MH-6M MELB

Mission Equipped Little Bird (MELB)
Light Attack/Assault

- * 6 Combat Equipped Troops (Assault)
- * Cruise Speed: 90 knots
- * Max Gross Weight: 4,700 lbs

Rapidly Deployable

Shipboard Operations

Surgical Point Insertion Aerial Reconnaissance

Close Air Support

Reconfigurable Armament (Attack



Mi-8/17

Medium Assault

- * 32 Combat Equipped Troops
- * Cruise Speed: 130 knots
- * Max Gross Weight: 28,600 lbs
- * Ext Loads: 10K lbs

Troop Movement Resupply

MH-60M Blackhawk

Medium Assault

- * 9 Combat Equipped Troops
- * Cruise Speed: 140 knots
- * Max Gross Weight: 24,500 lbs
- * Ext Loads 9,000 lbs

Aerial Refuel Capable Suppressive Fire Capability

Resupply

Advanced Aircraft Survivability Equipment

Defensive Armed Penetrator (DAP)

Reconfigurable Armament

Armed Escort & Close Air Support

MH-47G Chinook

Heavy Assault

- * 44 Combat Equipped Troops
- * Cruise Speed: 120 knots
- * Max Gross Weight: 54,000 lbs
- * Ext Loads:

25K lbs tandem & 26K lbs center hook

Aerial Refuel Capable

Suppressive Fire Capability

Resupply

Advanced Aircraft Survivability Equip



YMQ-18A Hummingbird

Unmanned Aerial System
Multi-role Missions (ISR/Re-Supply)

- * Gross Weight : 5500 lbs
- * Payload: 2500 lbs
- * Range: 2250 NM
- * Endurance: 18.7 hrs w/300 lbs
 - 12.1 hrs w/532 lbs 8.1 hrs w/1000 lbs
- * Speed: 142 kts
- * Ceiling : 20000 ft

ROTARY WING



MI-47G GIINOOK 54,000 Pounds

Enhanced Air Transportability
Pylons

Common Avionics Architecture
System (CAAS) Cockpit

Suite of Integrated Radio Frequency Countermeasures (SIRFC)

Standardized Engines (T55-GA-714A)

zAircraft Max Gross Wt (54,000 lbs)

New Electro-Optical Sensor System (EOSS FLIR)

> Rescue Hoist

Aerial Refuel Probe

New-Build Nose/Cockpit Structure

Common Missile Warning System (CMWS) w/ Improved Countermeasures Dispenser

Improved Bilge Paint & Corrosion Protection

Rebuilt Airframe Structure (New Elect. Wires/ Hydraulic Lines)

Component Recapitalization

Multi-Mode Radar (MMR)

AN/AVR-2B Laser

Detection System

Infrared Exhaust Suppressors (IES-47)

XM-216 Dark Flares

Expanded Left-forward
Gunner's Window

Standardized Extended Range (Fat Tank) Configuration

WHITE = Army Provided

RED = SOF Unique

YELLOW = SOF Driven-Tested / Army-Adopted

UNCLASSIFIED

NEW Airframe and Dynamic Components

MI-60M BLACKHAWK 24,500 Pounds

Active Vibration Control **Wide Chord Blades**

2500 SHP YT706-GE-700 Engines

Dual Digital Automatic Flight Control System

Aerial Refuel Probe

Common Avionics
Architecture System (CAAS)
Cockpit

AN/AVR-2B Laser Detecting Set

Common Missile Warning System (CMWS) w/Improved Countermeasures Dispenser

Suite of Integrated
Radio Frequency Countermeasures
(SIRFC)

6o KVA Generator

Electric External Rescue Hoist

Multi-Mode Radar

XM-216 Dark Flares

AN/ZSQ-2 Advanced Electro-Optic Sensor System (EOSS FLIR)

WHITE = Army Provided

RED = SOF Provided

YELLOW = SOF Driven-Tested / Army-Adopted

UNCLASSIFIED



NSRWA MI-17 28,660 Pounds



	Aircraft Characteristics and Performance	
	Rotor Diameter	69.9 ft
	Fuselage Length	59.7 ft
	Fuselage Width	8.2 ft
	Height	18.2 ft
	Disc Area	3,830 sq ft
	Empty Weight	15,685 lb
	Loaded Weight	24,500 lb
	Max Takeoff Weight	28,660 lb
	Max Flight Speed	156 mph
	Cruise Flight Speed	149 mph
	Hover Ceiling Out of Ground Effect	13,000 ft
	Service Ceiling	16,000 ft
	Range with Normal Payload	345 nm

ROTARY WING





Combat Mission Simulators

MH-47E CMS



"SimAuthor"

Flight Data Analysis & Visualization

MH-60K CMS



Direct Support Maintenance

A/MH-6M Little Bird



Battle Staff Training System





Aquatics Training Facility (Dunker)

MH-47G CMS







"CAAS" Desktop
Trainers



"SOFTEAMS"

MH-60L/M CMS





ROTARY WING



Way Ahead

Planning for the next five years:

- MH-6oM fielding
- MH-47G Plus 8
- MH-47 2.3 Block Upgrade
- A/MH-6 3.0 Block Upgrade
- Hostile Fire Indicating System (HFIS)
- Aircraft Occupant Ballistic Protection System (AOBPS)
- Reduce Optical Signature Emission Solution (ROSES)
- Secure Real-Time Video (SRTV)
- Upgrade Legacy Simulators
- Research Technology for Degraded Visual Environment (DVE)



